

# Lightsource Test Report

## Product Information

Product Spec: KL-LP300R-24W-4000K-WH

Product Number: 4000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3850$   $y=0.3779$   $u(u')=0.2276$   $v=0.3352$   $v'=0.5027$

CCT:  $T_c=4001K$  ( $duv=-0.00088$ )

Color Ratio:  $R=0.203$   $G=0.754$   $B=0.043$

Peak Wavelength: 454nm

Half Bandwidth: 25.3nm

Dominant Wavelength: 579.9nm

Color Purity: 0.289

Color Render Index:  $R_a=91.2$ ,  $CRI=90.2$

$R1=95$

$R2=98$

$R3=97$

$R4=92$

$R5=93$

$R6=94$

$R7=93$

$R8=88$

$R9=73$

$R10=92$

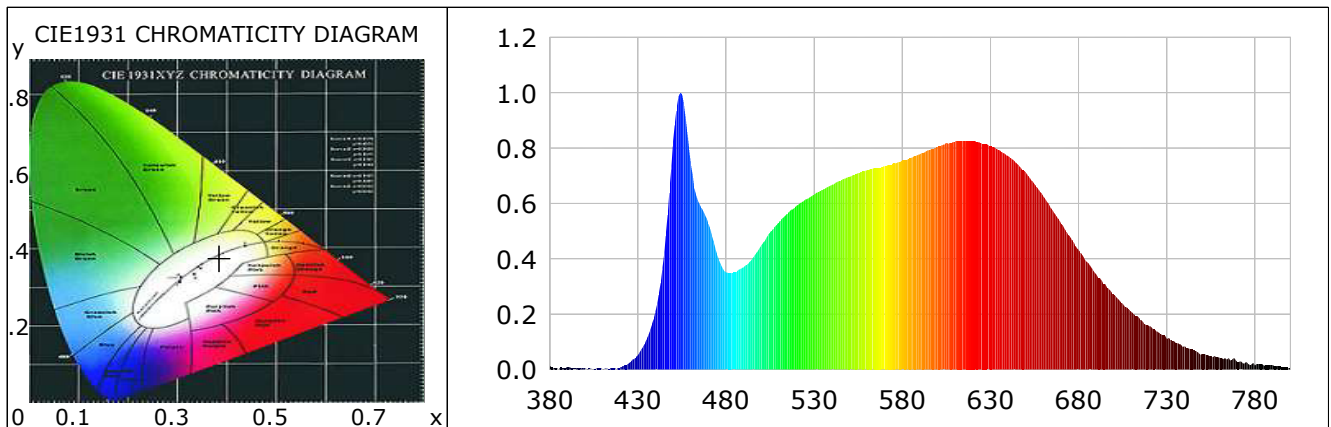
$R11=92$

$R12=70$

$R13=96$

$R14=98$

$R15=93$



## Photometric Parameters

Luminous Flux: 2382.75 lm

Efficiency: 99.24 lm/W

Radiant Power: 7.960 W

## Electric Parameters

Voltage: 24.00V

Current: 1.0004A

Power: 24.01W

Power Factor: 0.0000

Frequency: 0.00Hz

## Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 ms

Photometric Condition: Sphere diameter: 2.00m, 4 $\pi$

Max of Signal: 42635 (5320)

CCD Integration Time: 818.14 ms

Condition:  $T_x:0.0^{\circ}C$ ,  $T_i:0.0^{\circ}C$ , R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2025-08-18 15:47:23

Inspector: